



### Concentration of OPG in human breast milk

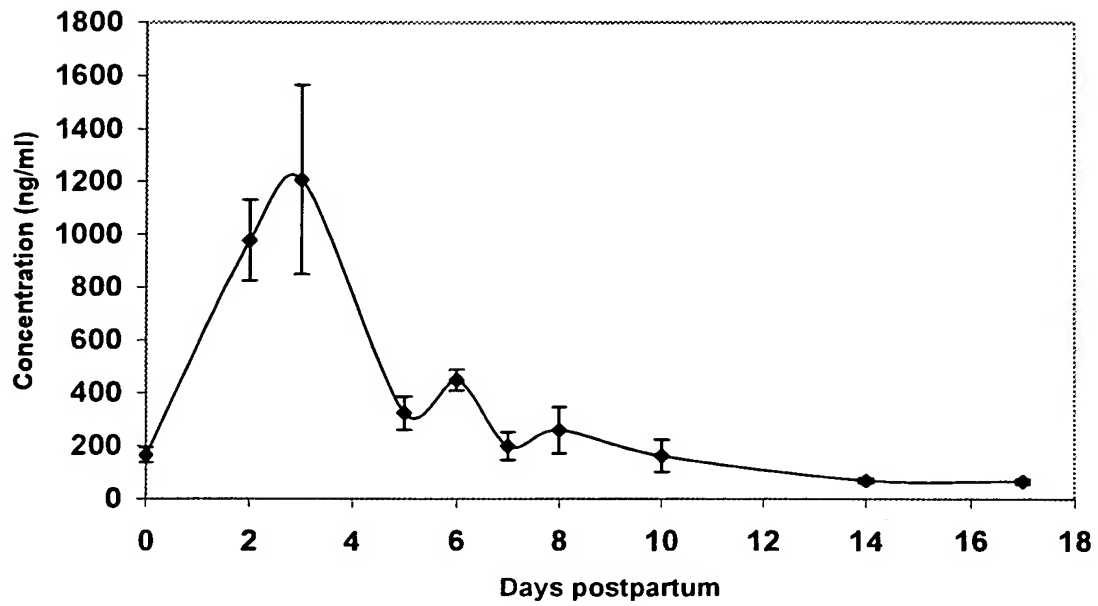


Fig. 1

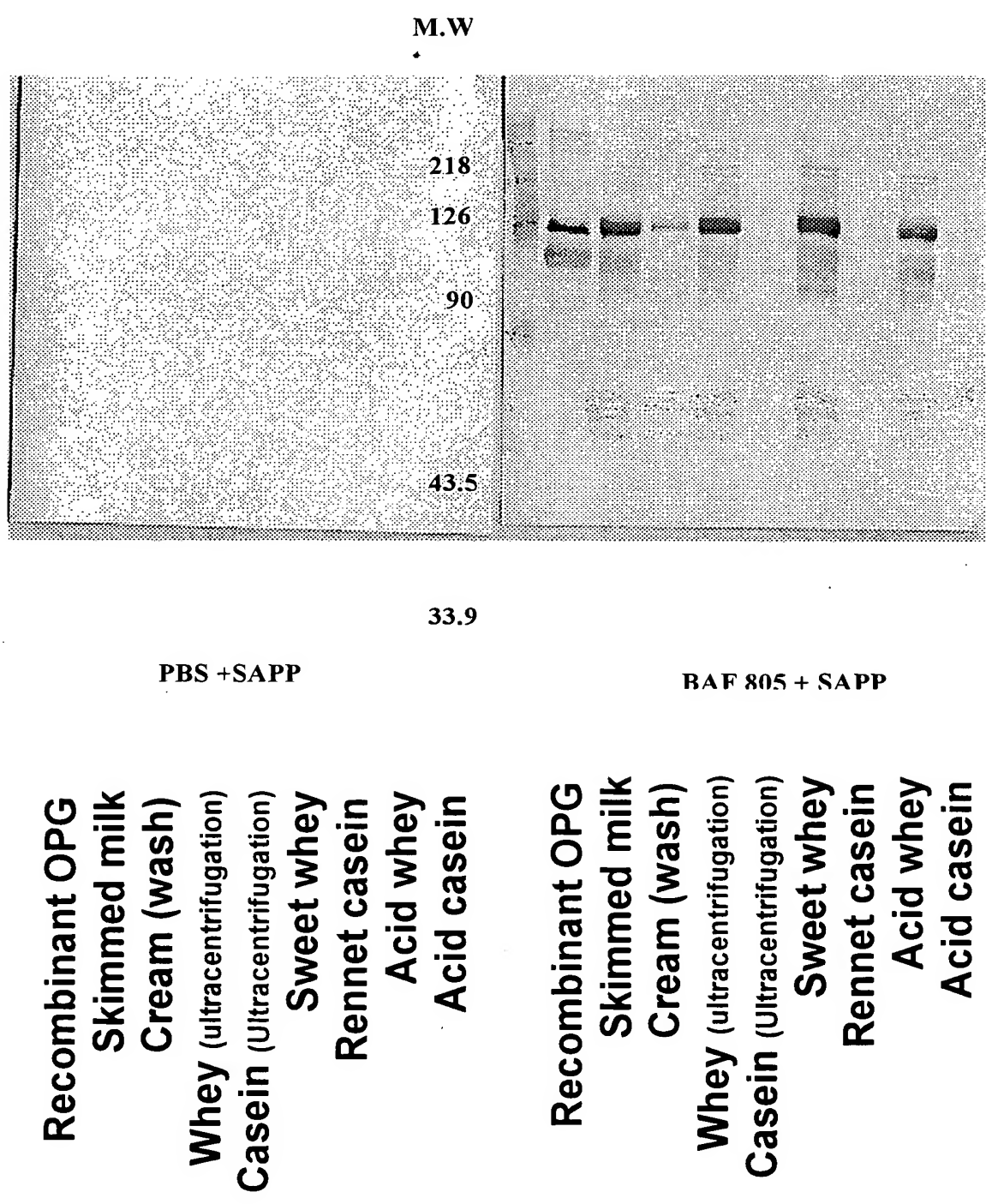


Fig. 2

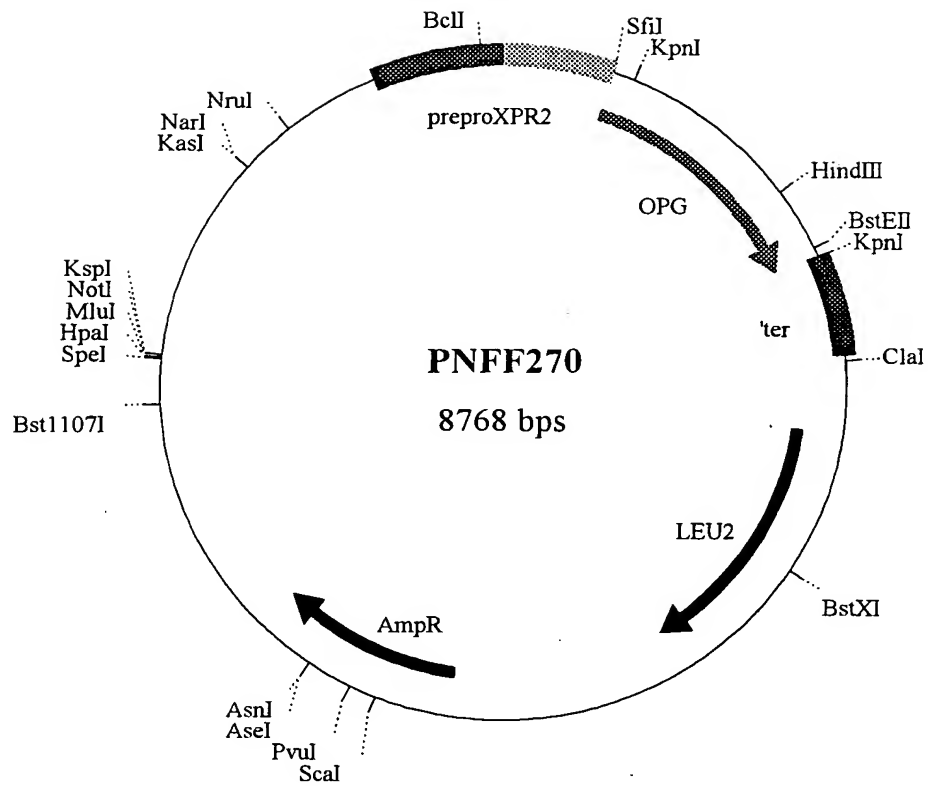


Figure 3

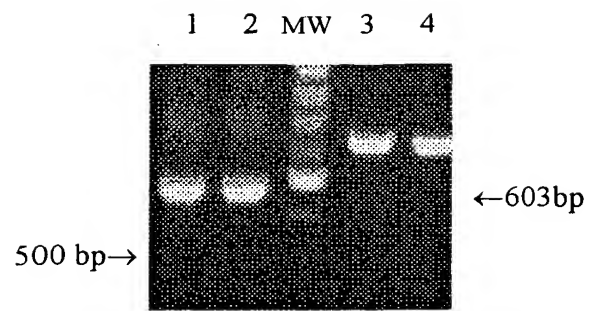


Figure 4

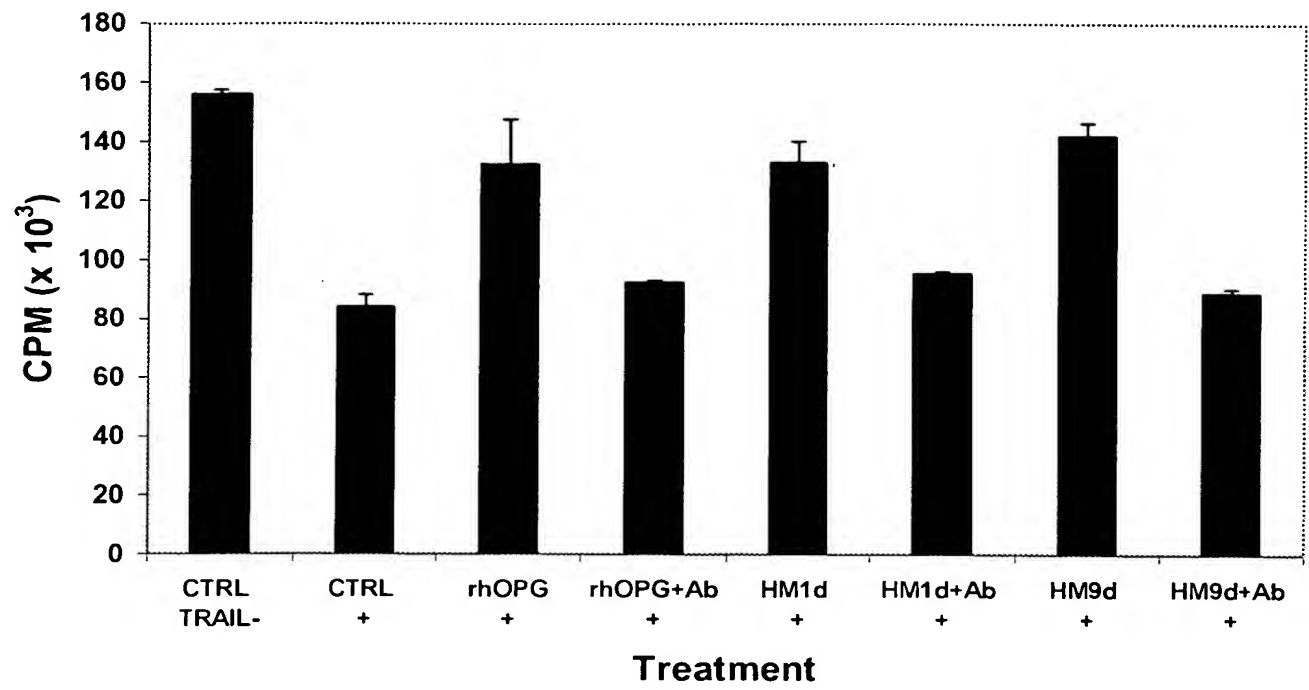


Figure 5

MKLATAFTILTAVLAAPLAAPAPAPDAAPAAVPEGPAAAAYSSILSVVAKQSKKFKHHKR  
DLDEKDQFIVVFDSSATVDQIASEIQKLDSLVEDSSNGITSALDLPVYTDGSGFLGFVG  
KFNSTIVDKLKESSVLTVEPDTIVSLPEIPASSAAKRETFPPKYLHYDEETSHQLLCDKC  
PPGTYLKQHCTAKWKTVCAPCPDHYYTDSWHTSDECLYCSPVCKELQYVKQECNRTHNRV  
CECKEGRYLEIEFCLKHRSCPPGFGVVQAGTPERN TVCKRCPDGFFSNETSSKAPCRKHT  
NCSVFGLLLTQKGNATHDNICSGNSESTQKCGIDVTLC EEAFFRFAVPTKFTPNWLSVLV  
DNLPGTKVNAESVERIKRQHSSQEQT FOLLKLWKHQNK AQDIVKKIIQDIDLCENSVQRH  
IGHANLTFEQLRSLMESLPGKKVGAEDIEKTIKACKPSDQILKLLSLWRIKNGDQDTLKG  
LMHALKHSKTYHFPKTVTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCL

Figure 6

	1	<u>TCCGGCCTCTTCGGCCgccaagcga</u> GAAACGTTTCCTCCAAAGTACCTTCATTATGACGA	60
	1	<i>xpr2</i> E T F P P K Y L H Y D E	12
	61	AGAAACCTCTCATCAGCTGTTGTGTGACAAATGTCCTCCTGGTACCTACCTAAAAACAACA	120
5	13	E T S H Q L L C D K C P P G T Y L K Q H	32
	121	CTGTACAGCAAAGTGAAGACCGTGTGCGCCCCCTTGCCCTGACCACTACTACACAGACAG	180
	33	C T A K W K T V C A P C P D H Y Y T D S	52
10	181	CTGGCACACCAAGTGACGAGTGTCTATACTGCAGCCCCGTGTGCAAGGAGCTGCAGTACGT	240
	53	W H T S D E C L Y C S P V C K E L Q Y V	72
	241	CAAGCAGGAGTGCAATCGCACCCACAACCGCGTGTGCGAATGCAAGGAAGGGCGCTACCT	300
15	73	K Q E C N R T H N R V C E C K E G R Y L	92
	301	TGAGATAGAGTTCTGCTTGAAACATAGGAGCTGCCCTCCTGGATTTGGAGTGGTGCAAGC	360
	93	E I E F C L K H R S C P P G F G V V Q A	112
	361	TGGAACCCCAGAGCGAAATACAGTTTGCAAAAGATGTCCAGATGGGTTCTTCTCAAATGA	420
20	113	G T P E R N T V C K R C P D G F F S N E	132
	421	GACGTCATCTAAAGCACCTGTAGAAAACACACAAATTGCAGTGTCTTTGGTCTCCTGCT	480
	133	T S S K A P C R K H T N C S V F G L L L	152
25	481	AACTCAGAAAGGAAATGCAACACACGACAACATATGTTCCGAAACAGTGAATCAACTCA	540
	153	T Q K G N A T H D N I C S G N S E S T Q	172
	541	AAAATGTGGAATAGATGTTACCCTGTGTGAGGAGGCATTCTTCAGGTTTGCTGTTCTCTAC	600
30	173	K C G I D V T L C E E A F F R F A V P T	192
	601	AAAGTTTACGCCTAACTGGCTTAGTGTCTTGGTAGACAATTTGCCTGGCACCAAAGTAAA	660
	193	K F T P N W L S V L V D N L P G T K V N	212
	661	CGCAGAGAGTGTAGAGAGGATAAAACGGCAACACAGCTCACAAGAACAGACTTTCCAGCT	720
35	213	A E S V E R I K R Q H S S Q E Q T F Q L	232
		C	
	721	GCTGAAGTTATGGAAACATCAAAACAAAGACCAAGATATAGTCAAGAAGATCATCCAAGA	780
	233	L K L W K H Q N K D Q D I V K K I I Q D	252
		A	
40	781	TATTGACCTCTGTGAAAAACAGCGTGCAGCGGCACATTGGACATGCTAACCTCACCTTCGA	840
	253	I D L C E N S V Q R H I G H A N L T F E	272
	841	GCAGCTTCGTAGCTTGATGGAAAGCTTACCGGAAAGAAAGTGGGAGCAGAAGACATTGA	900
45	273	Q L R S L M E S L P G K K V G A E D I E	292
	901	AAAAACAATAAAGGCATGCAAAACCCAGTGACCAGATCCTGAAGCTGCTCAGTTTGTGGCG	960
	293	K T I K A C K P S D Q I L K L L S L W R	312
	961	AATAAAAAATGGCGACCAAGACACCTTGAAGGGCCTAATGCACGCACTAAAGCACTCAAA	1020
50	313	I K N G D Q D T L K G L M H A L K H S K	332

Figure 7. Sequence of milk OPG.

5  
1021 GACGTACCACTTTCCCAAACTGTCACTCAGAGTCTAAAGAAGACCATCAGGTTCTTCA 1080  
333 T Y H F P K T V T Q S L K K T I R F L H 352

1081 CAGCTTCACAATGTACAAATTGTATCAGAAGTTATTTTATAGAAATGATAGGTAACCAGGT 1140  
353 S F T M Y K L Y Q K L F L E M I G N Q V 372

10  
1141 CCAATCAGTAAAAATAAGCTGCTTATAAACTAGTATCACTAGT 1182  
373 Q S V K I S C L 380

Figure 7. Sequence of milk OPG. (Continued)